

B V H Consulting Engineers Pvt Ltd
Survey and Engineering Project Consultants

Ref NO. BVH/BBMP/BTP/2020-21

Date:- 18-12-2020

To,
The Executive Engineer,
Byatarayanapura Division
No.2152/20, Defence Colony
Sahakara Nagra Bangalore-560092

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Ref Work Order No:- BBMP/EE/BTP/WO/Q-35/2020-21

Date:-26/02/2020

NAME OF WORK: Improvements to Road and Drains at Kogilu Layout in Ward No. 05, (Jakkur) Byatarayanapura sub Division			
Item No	Description of work	Unit	Qty
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3 complete as per specifications and directions of the Engineer in charge.	Cum	2653.93
2	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	209.90
3	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	82.75
4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the direction of Engineer in charge of the work.	Cum	405.37

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Item No	Description of work	Unit	Qty
5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centring shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per morth MORTH specification and as per the direction of Engineer in charge of the work.	Cum	939.03
6	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the direction of Engineer in charge of the work.	MT	54.78
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc ,complete and as per the direction of Engineer in charge of the work.	Sqm	2163.11
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing ,including cost of all materials, labour ,hire charges of machinery, loading, unloading, lead and lift ,transportation etc ,complete and as per the direction of Engineer in charge of the work.	Sqm	186.89
9	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the direction of Engineer in charge of the work.	Sqm	191.10
10	Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification and as per the direction of Engineer in charge of the work..	Cum	317.84
11	Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications and as per the direction of Engineer in charge of the work.	Sqm	1589.18
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the direction of Engineer in charge of the work.	Cum	238.39

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Item No	Description of work	Unit	Qty
13	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum, coarse and fine aggregate confirming to IS:383-2016, with super plastisiser @ 3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charged of machines all lead and lift charges etc., complete as per specifications and as per the direction of Engineer in charge of the work.	Cum	75.83

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,



With Regards,

[Handwritten Signature]

For BVH Consulting Engineers PVT LTD

[Handwritten Signature]
22/5/25
25/5/2025
25/5/2025
25/5/2025